10-G-25

eem file System Sec. 4000

POWER SUPPLIES UNLIMITED

TR 36-2

Parts List & Schematics Only

NJE CORPORATION Kenilworth, New Jersey

NJE CORP., KENILWORTH, N. J.

Model : TR 36-2 Spare Parts List Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	** Rec. Spare	*Rec. Vendor
	SCHEMATIC	100594	x		23
	Prntd. ckt. ass'y	402092	1	1	23
B1	Blower	1B	1	1	3
C1	Cap, fixed, elect 900MF, 80V	5CE-80-900	1	1	17
C2	Cap, fixed, elect 1000MF, 50V	5CE-5-1000	1	1	17
C3	Cap, fixed, elect 300MF, 150V	5CE-150-300	2	1	17
C4	Same As C3				
C5	Cap, fixed, tant 1.5MF, 50V	1CT-50-1.5	1	1	17
C6	Cap, fixed, ceramic 0.1MF, 75V	1CC-75-0.1	1	1	7
C7	Cap, fixed, ceramic 0.003MF, 150V	1CC-150-.003	1	1	7

* Recommended vendors are listed at the end with serial cross references.

** Recommended spares are for one unit for one year service.

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Spare Parts List

Model: TR 36-2 Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No	Qty.	** Rec. Spare	* Rec. Vendor
CR1	Semicond. device diode	1N1909	2	1	34
CR2	Same As CR1				
CR3	Semicond. device diode	CER 530	4	1	29
CR4	Same As CR3				
CR5	Same As CR3				
CR6	Same As CR3				
CR7	Semicond. device diode	1N1983 ± 5%	2	1	24
CR8	Semicond. device diode	1N1357	1	1	34
CR9	Same As CR7				
DS1	Lamp Glow	1DS-115-MB-N	1	1	13
F1	Fuse, cartridge 2A, 250V	1FFB-250-2	2	5	21
F2	Same As F1				
J1	Binding Post	1J-R	1	1	32
J2	Binding Post	1J-B	2	1	32
J3	Same As J2				

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Spare Parts List

Model: TR 36-2

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No	Qty	**Rec. Spare	* Rec. Vendor
M1	Ammeter 0-3A DC	1M2-2-3ADC	1	1	16
M2	Voltmeter 0-50 V DC	1M2-2-50V DC	1	1	16
Q1	Semicond. device transistor	2N1124	1	1	26
Q2	Semicond. device transistor	2N241A	3	1	16
Q3	Semicond. device transistor	2N375	3	1	22
Q4	Same As Q3				
Q5	Same As Q3				
Q6	Semicond. device transistor	2N445A	2	1	18
Q7	Same As Q6				
Q8	Same As Q2				
	Same As Q2				

Recommended vendors are listed at the end with serial cross references.

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Spare Parts List

Model: Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	** Rec. Spare	*Rec. Vendor
R1	Not Used				
R2	Res, Fixed, WW 1.0, 5W	2RFW-5-1	3	1	33
R3	Same As R2				
R4	Same As R2				
R5	Res, Fixed, WW 3900, 3W	2RFW-3-3900	1	1	33
R6	Res, Fixed, WW 1500, 10W	2RFW-10-1500	2	1	33
R7	Res, Fixed, Comp 5600, 2W	1RFC-2-5600	1	1	1
R8	Res, Fixed, Comp 5600, 1/2W	1RFC-1/2-5600	1	1	1
R9	Res, Fixed, Comp 2700, 1/2W	1RFC-1/2-2700	1	1	1
R10	Res, Fixed, WW 600, 10W	2RFW-10-600	1	1	31
R11	Res, Fixed, Comp 220, 2W	1RFC-2-220	1	1	1
R12	Same As R9				
R13	Res, Fixed, Comp 10K, 1/2W	1RFC-1/2-10K	3	1	1
R14	Same As R13				
R15	Res, Fixed, WW 560, 3W	2RFW-3-560	2	1	33

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Spare Parts List

Model: TR 36-2

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	**Rec. Spare	* Rec. Vendor
R16	Res, Var, WW 5000, 2W	1RVW-2-5000-N	1	1	9
R17	Same As R15				
R18	Res, Var, WW 500, 1/4W	4RVW-1/4-500	1	1	5
R19	Res, Fixed, Comp 4700, 1/2W	1RFC-1/2-4700	1	1	1
R20	Res, Var, WW 5000, 1/4W	4RVW-1/4-5000	1	1	5
R21	Same As R13				
R22	Res, Fixed, Comp 100, 1/2W	1RFC-1/2-100	1	1	1
S1	Switch, toggle SPST15A, 125V	1SW-SPST	1	1	19
T1	Transformer	203427	1	1	23
TB1	Term. board	1TB-14-12	1	-	8
XDS1	Lampholder	1XDS-R	1	-	13
XF1	Fuseholder	1XF	2	-	6
XF2	Same As XF1				
XQ6	Sockets, transistor	1XQ-MC	4	-	14
XQ7	Same As XQ6				
XQ8	Same As XQ6				
XQ9	Same As XQ6				

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** Recommended spares are for one unit for one year service.

List of Code Numbers used in

Spare Parts List

To Indicate Manufacturer

Code Number	Manufacturer	Location
1	Allen-Bradley Co.	Milwaukee, Wisconsin
2	Astron	East Newark, N. J.
3	Barber Colman Co.	Rockford, Illinois
4	Helipot (Div. of Beckman Inst.)	Fullerton, Calif.
5	Bourns Inc.	Riverside, Calif.
6	Bussmann (Div. of McGraw-Edison)	St. Louis, Mo.
7	Centralab Elec. (Div. Globe-Union)	Milwaukee, Wisc.
8	Cinch Mfg. Co. (H. B. Jones Div.)	Chicago, Ill.
9	Clarostat Mfg. Co.	Dover, New Hampshire
10	Clevite Transistor	Waltham, Mass.
11	Columbus Electronics	Yonkers, N. Y.
12	Dale Electronics (Sub. of Hathaway Ins. Inc.)	Columbus, Nebraska
13	Dialight Corp.	Brooklyn, N. Y.
14	Elco Manufacturing	Philadelphia, Pa.
15	Fansteel	No. Chicago, Ill.
16	General Electric	Syracuse, N. Y.
17	General Instrument	Newark, N. J.
18	General Transistor	Los Angeles, Calif
19	Herman H. Smith	Brooklyn 10, N. Y.
20	Hoffman	El Monte, Calif.
21	Little Fuse Inc.	Des Plaines, Ill.
22	Motorola	Phoenix, Ariz.
23	NJE Corporation	20 Boright Avenue, Kenilworth, N. J.
24	North Amer. Elec. (Affiliate of I. R. C.)	West Lynn, Mass.

(List of Code Numbers used in Spare Parts List To Indicate Manufacturer cont'd)

Code Number	Manufacturer	Location
25	Ohmite	Skokie, Ill.
26	Philco	Lansdale, Pa.
27	Pyramid Elec. Co. (Div. of Gen. Inst.)	Darlington, S. C.
28	Rotron	Woodstock, N. Y.
29	Solitron	Norwood, N. J.
30	Spectrol	San Gabriel, Calif.
31	Sprague	North Adams, Mass.
32	Superior Electric Co.	Bristol, Conn.
33	Tru-Ohm (Model Eng.)	Chicago, Ill.
34	U. S. Semcor	Phoenix, Arizona
35	Westinghouse	Youngwood, Pa.
36	Standard Electric Co.	Dayton, Ohio
37	Stancor Electronics, Inc.	Chicago, Ill.
38	Jettron Products	Hanover, N. J.
39	Dickson Electronics Corp.	Scottsdale, Ariz.
40	Aerovox Corp.	New Bedford, Mass.
41	Radio Switch	Marlboro, N. J.
42	Radio Corp. of Amer. (Elec. Tube. Div.)	Harrison, N. J.
43	Cornell Dublier (Div. of Fed. Pacific Elec.)	Newark, N. J.
44	Chicago Cond. Corp.	Chicago, Ill.
45	Arco Electronics	Great Neck, N. Y.
46	International Resistance Co.	Philadelphia, Pa.
47	Amperex Electronics Corp.	Hicksville, N. Y.
48	Resistor Products Co.	Harrisburg, Pa.
49	Syntron Co.	Homer City, Pa.
50	Amphenol Connector (Div. of Amphenol-Borg)	Chicago, Ill.
51	Continental-Wirt.	Philadelphia, Pa.
52	Royal Electric Corp.	Pawtucket, R. I.

Allied Control Co., Inc. New York 21, New York

The Rowan Controller Co.

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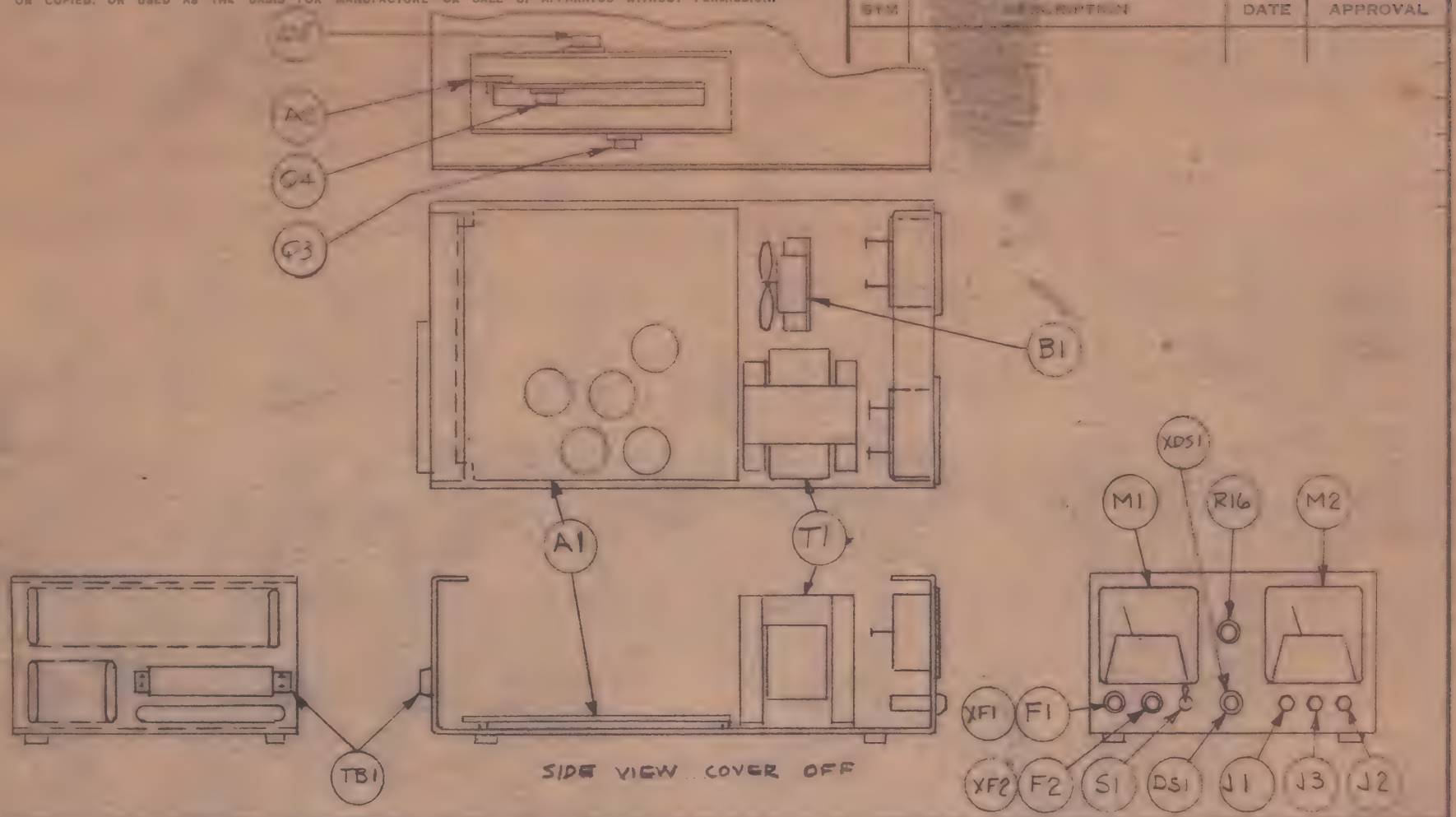
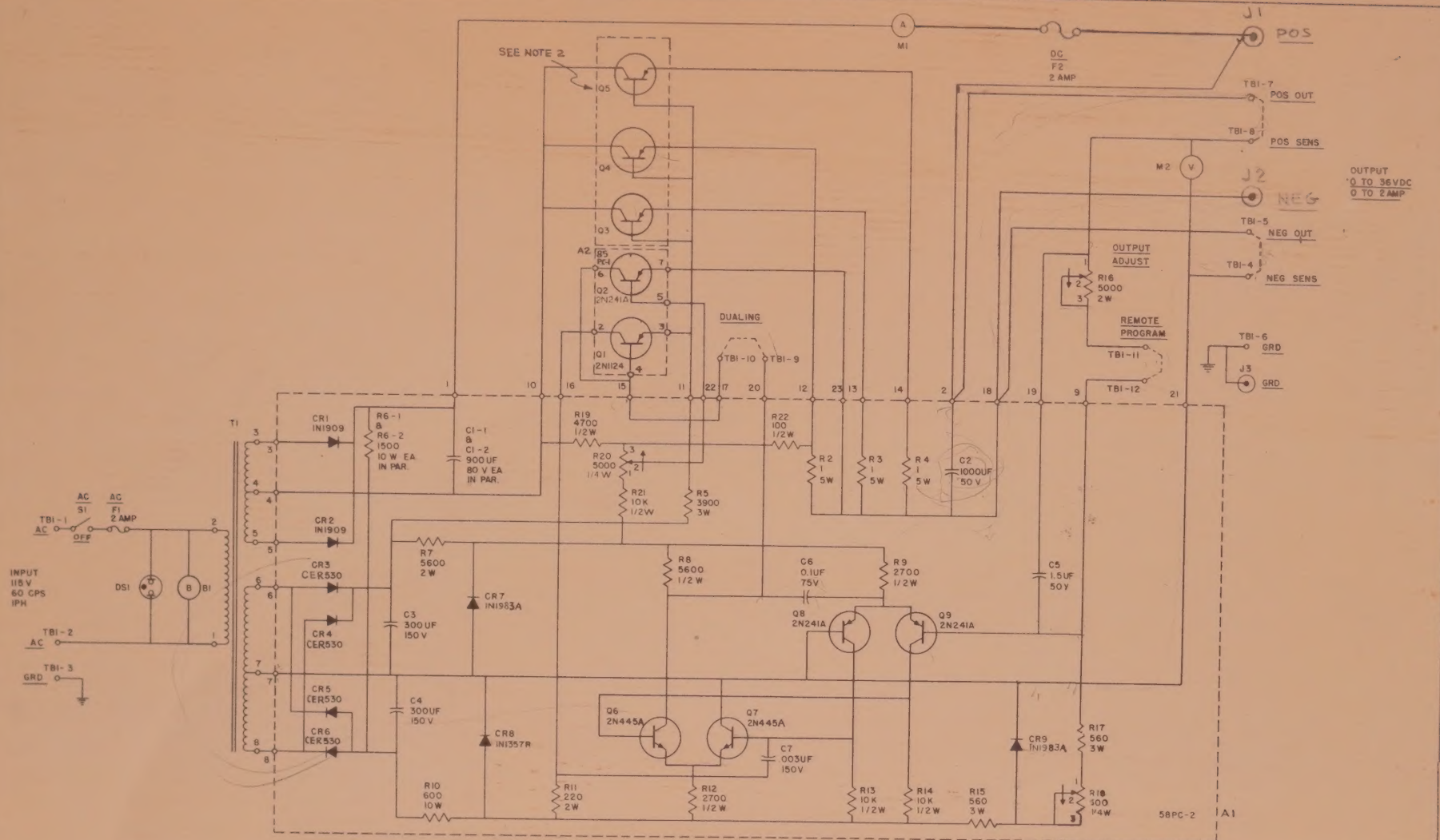
SYM	DESCRIPTION	DATE	APPROVAL



SIDE VIEW COVER OFF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ± MATERIAL — PROTECTIVE FINISH —	DRAFTSMAN EJ	DATE 3/29/82	TITLE PARTS PLACEMENT TR LINE	NJE CORPORATION KENILWORTH, N.J. CODE IDENT. NO. 98380
	DESIGNER EJ	3/29/82		
	CHECKER	4/20/82		DWG SIZE A — 101531
	ENGINEER			
	APPROVED			
	DO NOT SCALE DWG		SCALE — WT —	SH 1 OF 1



NOTES:
1. ALL WIRE NO. 20 AWG UNLESS OTHERWISE INDICATED.
2. Q3, Q4 & Q5 ARE NJE DWG. 101892.

NJE CORPORATION KENILWORTH, N.J.	
MODEL TR-36-2B SCHEMATIC DIAGRAM	

101951

MANUFACTURERS REPRESENTATIVES

Albuquerque, New Mex.

Barnhill Associates
319A Wyoming N.E., Albuquerque, New Mex.
265-7766

Boston, Mass.

Burlingame Associates, Ltd.
7 Wellington Street, Waltham, Mass.
TWinbrook 4-1955

Chicago, Ill.

Ridgway Associates
6100 W. North Ave., Chicago 39, Ill.
TUxedo 9-5715

Cleveland, Ohio

Ridgway Associates
5915 Schaaf Rd., Cleveland 31, Ohio
LAfayette 4-1421

Dallas, Texas

Carey-Wolf Co.
P.O. Box 12425, Ft. Worth, Tex.
TA 3-5383

Dayton, Ohio

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3898 Linden Ave., Dayton 29, Ohio
CLearwater 2-5604

Denver, Colo.

Barnhill Associates
1170 South Sheridan Blvd., Denver, Colorado
WEst 5-4645

Detroit, Mich.

Ridgway Associates
3384 Twelve Mile Rd., Berkley, Michigan
Lincoln 6-3312

Ft. Worth, Texas

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P.O. Box 12425, Ft. Worth, Tex.
PE 8-1702

Houston, Texas

Carey-Wolf Co.
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1224 N. Capitol Ave., Indianapolis 2, Indiana
MElrose 5-2401

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4021 W. 86th St., Prairie Village, Kansas
Niagara 2-3313

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2065 Huntington Drive, San Marino, Calif.
MUrray 1-3292

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Radionics, Ltd.
8230 Mayrand St., Montreal, Canada
REgent 9-5517

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510 South Fulton Ave., Mt. Vernon, N. Y.
MOunt Vernon 4-7530

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222-3261

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WHitney 6-5521

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MIssion 7-1470

Salt Lake City, Utah

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AXtel 5-6521

San Diego, Calif.

G. S. Marshall Company
4410 Kearny Mesa Rd., San Diego, Calif.
BR 8-6350

San Francisco, Calif.

G. S. Marshall Company
801 Woodside Rd., Redwood City, Calif.
EMerson 6-8214

Seattle, Washington

Burt C. Porter Company
1209 Poplar Place, Seattle 44, Washington
EAst 3-8330

Syracuse, N. Y.

Burlingame Associates, Ltd.
514 University Bldg., Syracuse, N. Y.
GRanite 4-7409

Washington, D.C.

Burlingame Associates, Ltd.
8218 Wisconsin Ave., N.W., Washington 14, D.C.
OLiver 4-6400

Winston-Salem, N.C.

M. J. McDonald Co.
Whippoorwill Drive, Rt. 1, Pfafftown, N. C.
WAbash 4-2182

OUR WARRANTY: N J E Corp. warrants each power supply manufactured by them to be free from defects in material and workmanship. Our liability under this warranty is limited to servicing or adjusting any instrument returned to the factory for that purpose and to replacing any defective parts thereof, except tubes, semi-conductors and fuses. This warranty is effective for one year after delivery to the original purchaser when the instrument is returned, transportation charges prepaid by the original purchaser, and which upon our examination is disclosed to our satisfaction to be defective. If the fault has been caused by misuse or abnormal conditions of operation, repairs will be billed at cost. In this case, an estimate will be submitted before the work is started. Written permission must be obtained from the factory, before a supply may be returned for examination.

NJE CORPORATION
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